



Strength with **Flexibility**
Innovation with **Creativity**
Global with **Local**



We are

PASSIONATE

At What

We do



Our Strory

Founded in 1994 by Mr. D. B. Asabe, NDA PLASTECH has soon become the name of trust for our well reputed and dignified customers in case of need. We build relations beyond business which has worked to favor of our team for re-engineering the words of IMPOSSIBLE to "I 'M' POSSIBLE". We are a dynamic company run by committed people. The team is made of Engineers, Professionals, Technocrats and experienced resources which leaves no stone unturned for commitment and customer delight which is also one of our prime mottos.



Vision without
Mission is **Lame**;
Mission without
Vision is **Blind**



Policy

Our mission is to become an eminent and competent name in the Composite Industry, through hard, persistent, innovative and creative work. And to be a part of Global Chain.

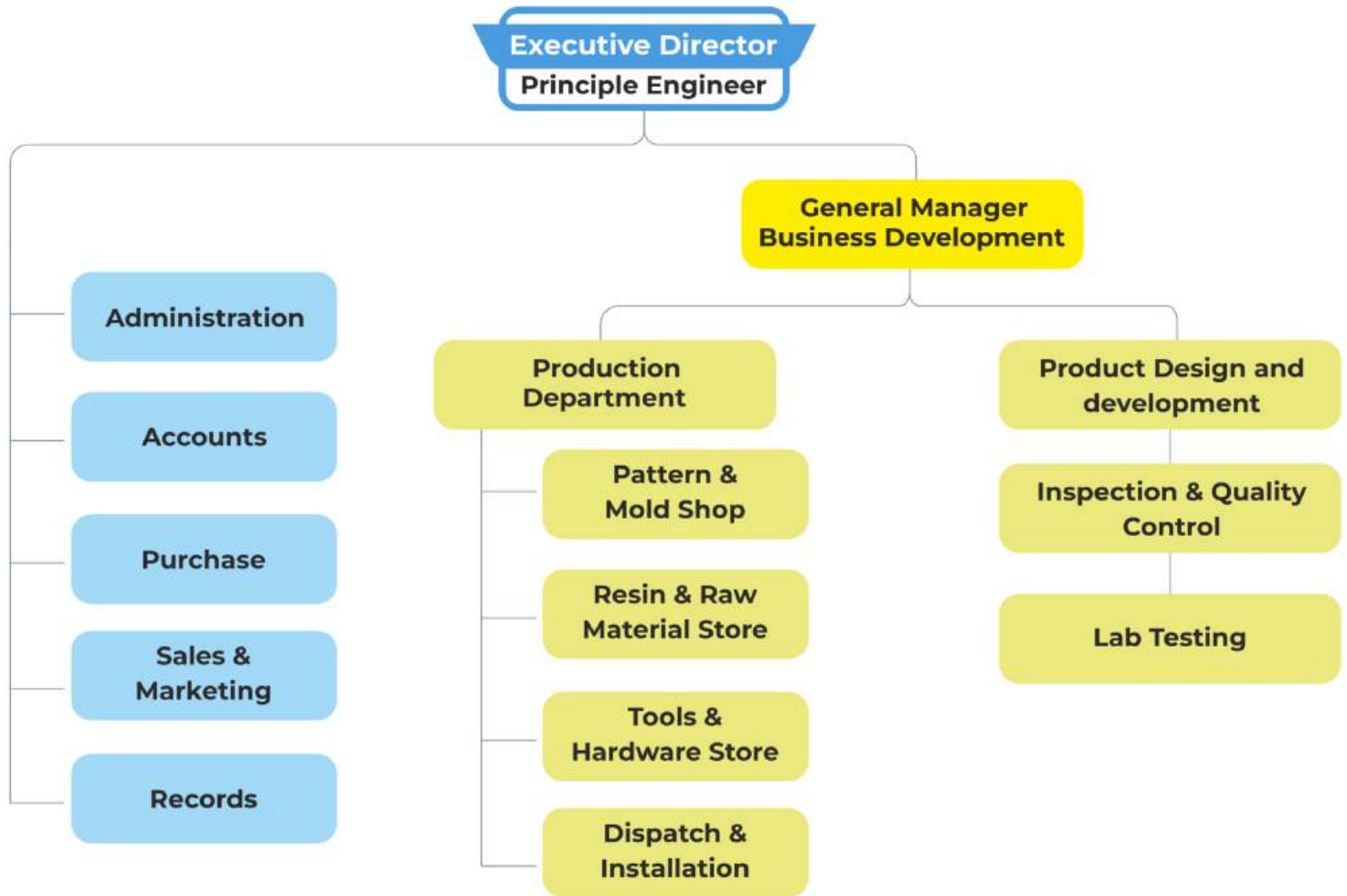
Vision

“Our vision is to build on the trust of our customers & serve them with dedication & quality. Our vision is to set benchmarks in the FRP manufacturing industry & take the quality level to new heights”.

Values

- NDA Plastech is committed to serve its customers and meet their needs and expectations by supply of reliable and innovative FRP products by using modern management, new technologies and material sciences.
- We believe in three key concepts, “Innovation, Service and Transparency”. Our goal is to exceed our Customer’s Expectations continually by delivering the highest quality services.
- Consistent management focus on quality Provide cost effective solutions
- Motivating our employees to take ownership of their work
- Identifying and solving problems to avoid compromising the quality of our services
- Continual Improvement

Organizational Structure



Core Team



Damaji Asabe

Managing Director & Founder

- BE(Mech. Eng.) from S.T.B. Engineering College Tuljapur 1993
- Composite Workshop at CIPET Chennai & CIPET Hyderabad



Aditya Asabe

Chief Executive Officer

- BTech. Mechanical Engineering from Vellore Institute of Technology 2021
- M.Sc. Strategic Entrepreneurship and Innovation, King's College London 2022

What is
FRP?



What is FRP & Its Properties?

Fiber-reinforced plastic (FRP) is a composite material made of a polymer matrix reinforced with fibers. FRPs are commonly used in the aerospace, automotive, marine, construction industries.

Raw Materials :

- Unsaturated Polyester Resin.
- Chopped Strand Mat.
- FRP Pigments.
- PVA(Poly Vinyl Alcohol).
- Cobalt (Accelerator).
- Mansion Polish.
- Aerosol Powder.

Glass Fibers:

Glass fibers are made from molten glass extruded at a specified diameter. The fibers are gathered into bundles and the bundles combined create a roving. Roving's are a continuous rope, similar to twine, and are wound on a mandrel to form a ball called a doff. Reinforcements for FRP are made from roving's that are either chopped into short strands or woven into a cloth.

There are many factors that affect the reinforcement characteristics of fiberglass:

- Fiber and bundle diameter and type of glass
- Direction of the fiberglass reinforcement
- The amount of fiberglass reinforcement
- The physical contact (wet out) of the fiber with the polymer

All of these factors must be taken into account when designing an FRP composite so that the required physical property strengths are met.

Plastic:

A plastic in which the polymer molecules are cross linked (chemically bonded) with another set of molecules to form a "net like" or "ladder-like" structure is a thermoset. Once cross linking has occurred, a thermoset plastic does not soften, melt, or flow when heated. However, if the cross linking occurs within a mold, the shape of the mold will be formed. Typical Thermoset plastics are: unsaturated polyester (UP) – used for bowling balls and boats; epoxy– used for adhesives and coatings; and polyurethanes (PURs) – used in foams and coatings.

In addition to these basic characteristics, polymers provide the FRP composite designer with a myriad of characteristics that can be selected, depending on the application. Combined with reinforcement of the polymer matrix, a vast range of characteristics are available for FRP composites.

Physical Properties of FRP composites:

The properties of FRP composites are measured the same way that traditional materials are measured so that comparisons can be made for evaluation. Typical measurements include:



Compressive Strength -

Describes how much of a load a material can take before it is crushed or fractured.



Flexural Modulus -

A number associated with the flexibility or stiffness of a material. It indicates how far a material will bend when a certain load is applied to it. The lower the modulus, the more flexible the material.

Physical Properties of FRP composites:



Flexural Strength -

Measures how much of a load a material can take before it fractures or breaks when it is in the process of being bent.



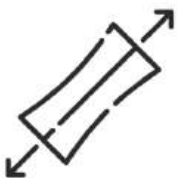
Impact Strength -

There are two primary impact tests; one is called IZOD impact and the other is called Gardner impact. IZOD impact measures the energy required to fracture or break a material when it is struck on its edge. Gardner impact measures the energy required to damage or puncture a material when it is struck on its front surface.



Rockwell or Barcol Hardness -

Measures the surface hardness of a material. The higher the hardness value, the more resistant a material is to scratching, abrasion, and denting.



Tensile Modulus -

A number associated with pulling or stretching a material (tension) and how much it elongates when a certain load is applied to it. The lower the modulus, the more the material will elongate or stretch.



Tensile Strength -

Measures how much of a load a material can take before it fractures or breaks when it is in the process of being stretched.

List of Products

- FRP Boats
- FRP Floating
- FRP Balls
- FRP Decorative piece
- FRP School Benches
- FRP Park Benches
- FRP Decorative Poles
- FRP Mould
- FRP Column
- FRP Bollard
- FRP Seating arrangement
- FRP Gratings
- FRP Swimming Tank
- FRP Gutter Cover
- FRP Covers
- FRP Manhole Covers
- FRP Procars Vessels
- FRP Scrubbers
- FRP Lining to M.S tank or any surface to avoid leakage and withstand to chemicals.
- FRP M.S fabricated items, like M.S Craddle, M.S Light/Heavy Fabrication items
- FRP M.S Canopy
- FRP Tree Guard
- FRP Tree Guard with water tank
- FRP Jetty
- FRP Cafeteriya
- FRP Umbrella type shelters
- FRP Dustbin
- FRP Doors & Doors Frame
- FRP Security Cabin
- FRP Shelters
- FRP Site Office
- FRP Toilet / Bathrooms
- FRP Urinals
- FRP washroom
- FRP Mobile Toilet
- FRP Changing Rooms
- FRP Waterless Urinals
- FRP Domes
- FRP Skylight Sheets
- FRP Corragated (Transluscent)Sheets
- FRP Moulded Components like, boxes,templates,plain sheets
- FRP Planters
- FRP Tank
- FRP Trays
- FRP Ball/Dome
- FRP Lining to any surface like wood, concrete, M.S & Aluminium
- FRP Portable Cabin
- FRP Octroi Cabin
- FRP Hotel Cabin
- FRP Juice Centre
- FRP Planters
- FRP Waterfall
- FRP Railing
- FRP Watch Towers
- FRP Vachanalaya And Bus Stop
- FRP cladding for Pergola- Artificial Decorative Trees
- FRP Prototypes for Engineering Products
- Children's playground Equipment
- **Railway Coach parts, viz. Side wall, Roof top, Dustbin, Toilet/Urinal Cubicle etc.**

FRP Planters

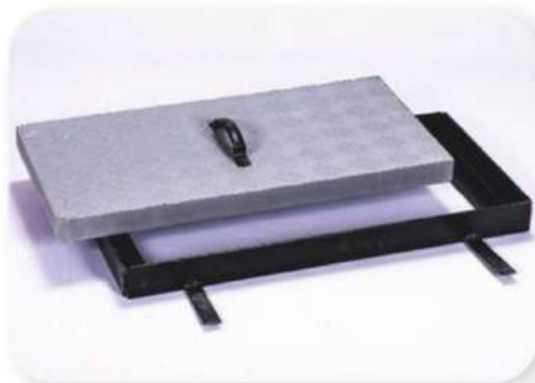
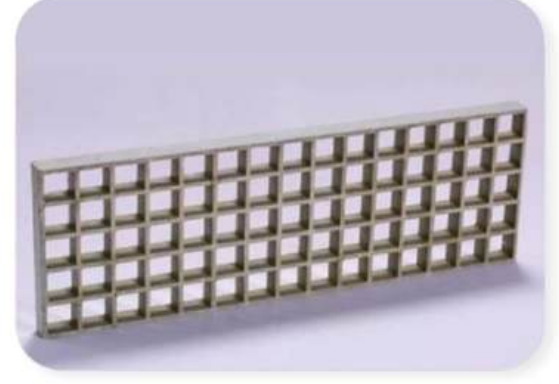
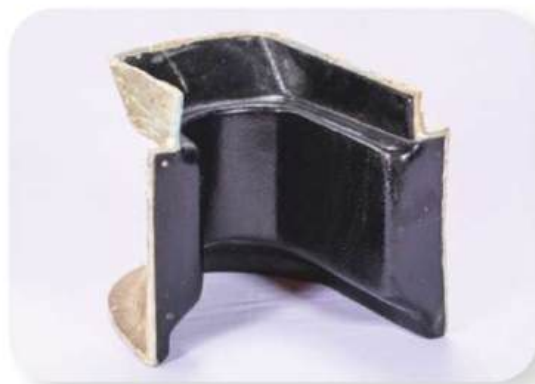
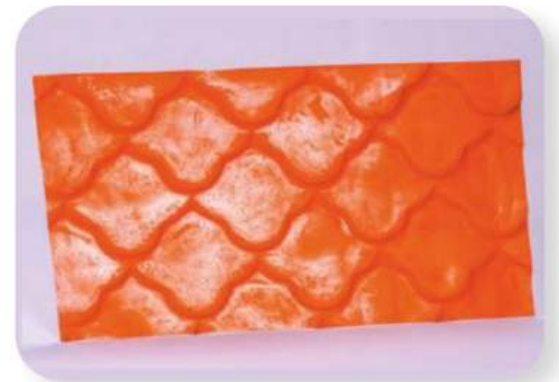
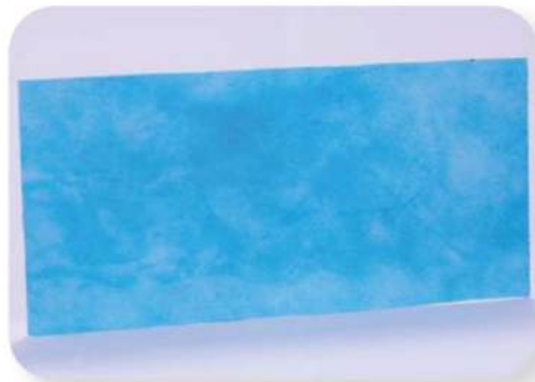


FRP Manhole Cover



FRP Dustbin





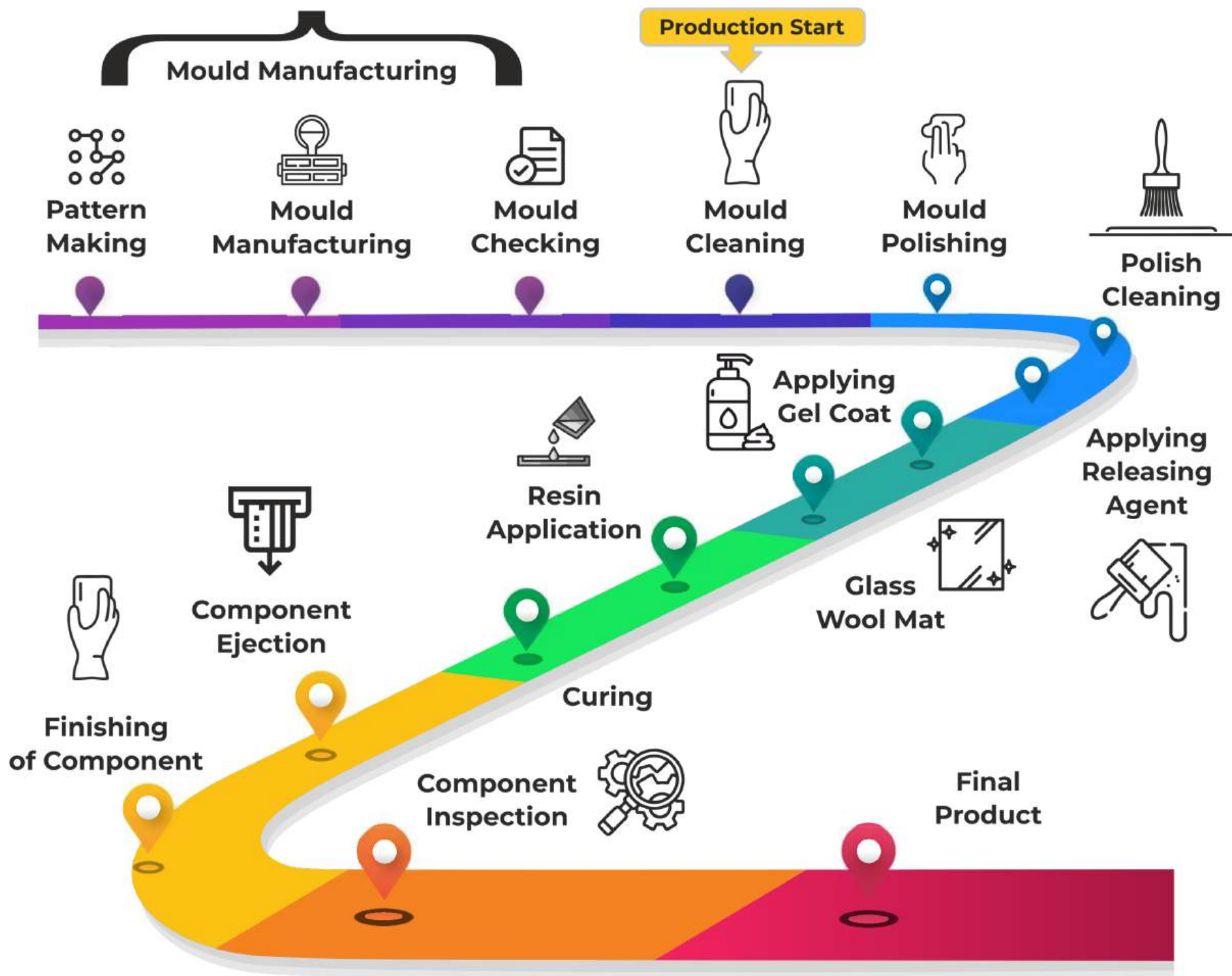






Our Quality **Process?**





Industry Applications





HIGHWAYS

PLASTECH analyze the growth of the economy as our growth within ourselves. As widely known the economy is in huge requirement of infrastructure Development to serve the overall growth prospect, we as a small organization in our small way contribute towards this much larger goal.

Serving the goal are our durable and economical products. Some of which are Telephone Booths, Octroi and Toll Posts, Road Dividers, Traffic Signals, Sign Boards, Manhole Cover and many more.



HOTEL GARDEN AN INTERIORS

Beautification and our contribution towards social cause have motivated us to come with products as Dust bins, Sputum bins, Decorative Item, Waterfalls, Chairs, Garden Benches, Computer Racks, Molded Furniture, Umbrellas, Bath Stools.



MARINE

With wide range of products in its basket company also manufactures those of marine utilities like Acidic-Non Acidic shed, River Boats, Paddle Boats, Surfing Pads, Oars, Manhole Covers, Water Scooter, Pair Boats.



DEFENSE

Also contributing widely towards the defense sector NDA PLASTECH is into production of FRP Boxes, Equipment's, Shells, Winder Tapes, Shelters & Vigilances Boats.

With addition to above categories we are actively into manufacture of Pipe, Lining works, working on Leakages, Manufacturing of Water Tanks, Modular Urinals, Site Offices, Specialized doors, Aesthetic products of FRP and many more.

NDA PLASTECH is known for its commitment towards rush orders for any of FRP products. We are a team known for our aspiration to turn the tables for so called IMPOSSIBLE projects.

We work according to customer requirement and needs to deliver more than the best and outperform in case of customized orders by our valued customers.

Our Esteemed Clients









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